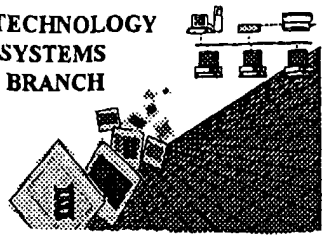
#8 1637

BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/936,216
Source: 1600
Date Processed by STIC: 10/30/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

1600

RAW SEQUENCE LISTING DATE: 10/30/2002
PATENT APPLICATION: US/09/936,216 TIME: 14:00:04

Input Set : A:\EP.txt
Output Set: N:\CRF4\10302002\I936216.raw

3 <110> APPLICANT: Commonwealth Scientific and Industrial Research Organisation
5 <120> TITLE OF INVENTION: Plants and feed baits for controlling damage from
6 feeding insects
C--> 8 **<140> CURRENT APPLICATION NUMBER: US/09/936,216**
C--> 8 **<141> CURRENT FILING DATE: 2002-10-29**
W--> 0 **<130> FILE REFERENCE:**
8 <160> NUMBER OF SEQ ID NOS: 18
10 <170> SOFTWARE: PatentIn Ver. 2.1
12 <210> SEQ ID NO: 1
13 <211> LENGTH: 5
14 <212> TYPE: PRT
15 <213> ORGANISM: Artificial Sequence
17 <220> FEATURE:
18 <223> OTHER INFORMATION: Description of Artificial Sequence: conserved
19 sequence of fusolin proteins
21 <400> SEQUENCE: 1
22 Val Arg Trp Gln Arg
23 1 5
27 <210> SEQ ID NO: 2
28 <211> LENGTH: 13
29 <212> TYPE: PRT
30 <213> ORGANISM: Dermolepida albohirtum entomopoxvirus, and Melolontha melolotha
W--> 31 **entomopoxvirus**
33 <400> SEQUENCE: 2
34 His Gly Tyr Ile Thr Phe Pro Ile Ala Arg Gln Arg Arg
35 1 5 10
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 13
41 <212> TYPE: PRT
42 <213> ORGANISM: Anomala cuprea entomopoxvirus
44 <400> SEQUENCE: 3
45 His Gly Tyr Val Thr Phe Pro Ile Ala Arg Gln Arg Arg
46 1 5 10
50 <210> SEQ ID NO: 4
51 <211> LENGTH: 13
52 <212> TYPE: PRT
53 <213> ORGANISM: Choristoneura biennis entomopoxvirus, Helicoverpa armigera
W--> 54 **entomopoxvirus, and Pseudaletia separata entomopoxvirus**
56 <400> SEQUENCE: 4
57 His Gly Tyr Met Thr Phe Pro Ile Ala Arg Gln Arg Arg
58 1 5 10
62 <210> SEQ ID NO: 5
63 <211> LENGTH: 13

Does Not Comply
Corrected Diskette Needed
pp. 2,6

RAW SEQUENCE LISTING DATE: 10/30/2002
PATENT APPLICATION: US/09/936,216 TIME: 14:00:04

Input Set : A:\EP.txt
Output Set: N:\CRF4\10302002\I936216.raw

```
 64 <212> TYPE: PRT
 65 <213> ORGANISM: Bombyx mori nuclear polyhedrosis virus
 67 <400> SEQUENCE: 5
 68 His Gly Tyr Leu Ser Leu Pro Thr Ala Arg Gln Tyr Lys
 69   1               5                  10
 73 <210> SEQ ID NO: 6
 74 <211> LENGTH: 13
 75 <212> TYPE: PRT
 76 <213> ORGANISM: Choristoneura fumiferana nuclear polyhedrosis virus
 78 <400> SEQUENCE: 6
 79 His Gly Tyr Leu Ser Val Pro Val Ala Arg Gln Tyr Lys
 80   1               5                  10
 84 <210> SEQ ID NO: 7
 85 <211> LENGTH: 13
 86 <212> TYPE: PRT
 87 <213> ORGANISM: Mamestra brassica nuclear polyhedrosis virus
 89 <400> SEQUENCE: 7
 90 His Gly Tyr Leu Ser Tyr Pro Val Ala Arg Gln Tyr Lys
 91   1               5                  10
 95 <210> SEQ ID NO: 8
 96 <211> LENGTH: 13
 97 <212> TYPE: PRT
 98 <213> ORGANISM: Xestria c-nigrum GV
100 <400> SEQUENCE: 8
101 His Gly Phe Met Leu Tyr Pro Leu Ala Arg Gln Tyr Arg
102   1               5                  10
106 <210> SEQ ID NO: 9
107 <211> LENGTH: 26
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
114 <400> SEQUENCE: 9
W--> 115 cayggwtata trcanttcc tatagc                                    26
118 <210> SEQ ID NO: 10
119 <211> LENGTH: 24
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
126 <400> SEQUENCE: 10
127 acarttrtar aawccttcwc cyac                                        24
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 220
132 <212> TYPE: PRT
133 <213> ORGANISM: Dermolepida albohirtum entomopoxvirus
135 <400> SEQUENCE: 11
136 His Gly Tyr Ile Thr Phe Pro Ile Ala Arg Gln Arg Arg Cys Asn Val
137   1               5                  10                  15
```

see p.6 for error explanation

RAW SEQUENCE LISTING DATE: 10/30/2002
PATENT APPLICATION: US/09/936,216 TIME: 14:00:04

Input Set : A:\EP.txt
Output Set: N:\CRF4\10302002\I936216.raw

```
139 Gln Gly Gly Phe Trp Trp Pro Thr Asp Gly Ser Ala Ile Pro Asp Pro
140              20                  25                  30
142 Met Cys Arg Ala Ala Tyr Gln Asn Val Phe Asn Thr Val Leu Gln Gln
143          35                  40                  45
145 Gly Gly Ser Leu Asn Gln Ala Ala Thr Ala Ala Gln Tyr Met Phe Gln
146      50                  55                  60
148 Gln Asp Asn Glu Tyr Ala Ala Leu Ala Gly Ser Asn Phe Arg Asp Leu
149  65                  70                  75                  80
151 Asn His Ile Gln Asn Asn Val Val Pro Phe Asp Leu Cys Ala Ala Gly
152                  85                  90                  95
154 Ala Asn Asn Trp Arg Arg Val Pro Phe Gly Asp Lys Ser Gly Met Asp
155              100                 105                 110
157 Ile Ser Gly Ser Trp Thr Pro Thr Gly Ile Pro Leu Glu Ser Asn Thr
158          115                 120                 125
160 Val Gly Thr Gly Pro Ile Glu Phe Glu Phe Cys Pro Thr Ala Ile His
161      130                 135                 140
163 Glu Pro Ser Phe Phe Glu Ile Tyr Ile Thr Val Pro Asn Phe Asn Val
164 145                 150                 155                 160
166 Phe Thr Asp Gln Val Thr Trp Ser Gln Leu Glu Asn Ile Phe Thr Gly
167                 165                 170                 175
169 Pro Ile Pro Leu Val Ala Arg Arg Pro Asp Ser Leu Cys Asn Ala Asn
170              180                 185                 190
172 Ser Arg Val Tyr Arg Ile Thr Val Gly Ile Pro Met Arg Gln Thr Gln
173          195                 200                 205
175 Phe Val Leu Tyr Val Arg Trp Gln Arg Ile Asp Pro
176      210                 215                 220
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 220
182 <212> TYPE: PRT
183 <213> ORGANISM: Melolontha melolotha entomopoxvirus
185 <400> SEQUENCE: 12
186 His Gly Tyr Ile Thr Phe Pro Ile Ala Arg Gln Arg Arg Cys Asn Val
187   1               5                  10                  15
189 Gln Gly Gly Phe Trp Trp Pro Pro Gly Gly Ser Gly Ile Pro Asp Pro
190              20                  25                  30
192 Met Cys Arg Ala Ala Tyr Gln Asn Val Tyr Asn Lys Val Leu Gln Gln
193          35                  40                  45
195 Gly Gly Thr Ile Asp Gln Ala Ala Ser Ala Ala Gln Tyr Met Phe Gln
196      50                  55                  60
198 Gln Asp Asn Glu Tyr Ala Ala Leu Ala Gly Pro Asn Tyr Leu Asp Gln
199  65                  70                  75                  80
201 Asn His Ile Arg Asn Asn Val Val Pro Asn Tyr Leu Cys Ala Ala His
202                  85                  90                  95
204 Ala Thr Thr Trp Arg Ile Arg Pro Phe Gly Asp Lys Thr Gly Met Asp
205              100                 105                 110
207 Val Ser Gly Ser Trp Thr Pro Thr Val Ile Pro Leu Gln Asp Asn Thr
208          115                 120                 125
210 Val Ser Thr Val Pro Ile Glu Phe Glu Phe Cys Pro Thr Ala Ile His
211      130                 135                 140
```

RAW SEQUENCE LISTING DATE: 10/30/2002
PATENT APPLICATION: US/09/936,216 TIME: 14:00:04

Input Set : A:\EP.txt
Output Set: N:\CRF4\10302002\I936216.raw

```
213 Glu Pro Ser Phe Phe Glu Ile Tyr Ile Thr Val Pro Ser Phe Asn Val
214 145                 150                 155                 160
216 Tyr Thr Asp Gln Val Thr Trp Gln Gln Leu Ile Asn Ile Phe Thr Gly
217                 165                 170                 175
219 Pro Ile Pro Leu Val Gln Arg Arg Pro Asp Ser Gln Cys Asn Ala His
220             180                 185                 190
222 Asn Leu Val Tyr Arg Thr Thr Val Gly Ile Pro Val Arg Gln Thr Gln
223         195                 200                 205
225 Phe Val Leu Tyr Val Arg Trp Gln Arg Asn Asp Pro
226     210                 215                 220
230 <210> SEQ ID NO: 13
231 <211> LENGTH: 220
232 <212> TYPE: PRT
233 <213> ORGANISM: Anomala cuprea entomopoxvirus
235 <400> SEQUENCE: 13
236 His Gly Tyr Val Thr Phe Pro Ile Ala Arg Gln Arg Arg Cys Asn Val
237   1               5                  10                  15
239 Gln Gly Gly Phe Trp Trp Pro Pro Glu Gly Thr Asn Ile Pro Asp Pro
240             20                  25                  30
242 Met Cys Arg Ala Ala Tyr Gln Tyr Val Phe Asn Lys Val Leu Ser Glu
243         35                  40                  45
245 Gly Gly Ser Thr Ser Gln Ala Ala Ser Ala Ala Gln Tyr Met Phe Gln
246     50                  55                  60
248 Gln Asp Asn Glu Tyr Ala Ala Leu Ala Gly Pro Asn Phe Arg Asp Ile
249 65                  70                  75                  80
251 Cys Trp Ile Lys Glu Gln Val Val Pro Asp Tyr Leu Cys Ala Ala Gly
252                 85                  90                  95
254 Ala Asp Thr Trp Arg Ile Arg Pro Phe Gly Asp Lys Thr Gly Met Asp
255             100                 105                 110
257 Ile Val Gly Ser Trp Pro Pro Thr Val Ile Pro Leu Glu Asn Asn Phe
258         115                 120                 125
260 Val Asn Thr Ile Pro Ile Glu Leu Glu Phe Cys Pro Thr Ala Ile His
261     130                 135                 140
263 Glu Pro Ser Tyr Phe Glu Val Tyr Val Thr Thr Pro Glu Phe Asn Val
264 145                 150                 155                 160
266 Tyr Arg Asp Lys Val Thr Trp Pro Leu Leu Glu Leu Val Phe Asn Ser
267                 165                 170                 175
269 Thr Val Pro Leu Val Asn Arg Arg Ala Asp Ser Leu Cys Thr Ala Asn
270             180                 185                 190
272 Ala Arg Val Tyr Arg Met Ile Val Pro Val Pro Tyr Arg Gln Thr Gln
273         195                 200                 205
275 Phe Val Ile Tyr Val Arg Trp Gln Arg Ile Asp Pro
276     210                 215                 220
280 <210> SEQ ID NO: 14
281 <211> LENGTH: 221
282 <212> TYPE: PRT
283 <213> ORGANISM: Choristoneura biennis entomopoxvirus
285 <400> SEQUENCE: 14
286 His Gly Tyr Met Thr Phe Pro Ile Ala Arg Gln Arg Arg Cys Ser Ala
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/936,216

DATE: 10/30/2002
TIME: 14:00:04

Input Set : A:\EP.txt
Output Set: N:\CRF4\10302002\I936216.raw

```
287   1               5                  10                  15
289 Ala Gly Gly Asn Trp Tyr Pro Val Gly Gly Gly Gly Ile Gln Asp Pro
290              20                  25                  30
292 Met Cys Arg Ala Ala Tyr Gln Asn Val Phe Asn Lys Val Leu Asn Ser
293          35                  40                  45
295 Asn Gly Gly Asp Val Ile Asp Ala Ser Glu Ala Ala Asn Tyr Met Tyr
296      50                  55                  60
298 Thr Gln Asp Asn Glu Tyr Ala Ala Leu Ala Gly Pro Asp Tyr Thr Asn
299  65                  70                  75                  80
301 Ile Cys His Ile Gln Gln Arg Val Val Pro Ser Tyr Leu Cys Ala Ala
302                  85                  90                  95
304 Gly Ala Ser Asp Trp Ser Ile Arg Pro Phe Gly Asp Lys Ser Gly Met
305             100                 105                 110
307 Asp Leu Pro Gly Ser Trp Thr Pro Thr Ile Ile Gln Leu Ser Asp Asn
308         115                 120                 125
310 Gln Gln Ser Asn Val Val Met Glu Leu Glu Phe Cys Pro Thr Ala Val
311     130                 135                 140
313 His Asp Pro Ser Tyr Tyr Glu Val Tyr Ile Thr Asn Pro Ser Phe Asn
314 145                 150                 155                 160
316 Val Tyr Thr Asp Asn Val Val Trp Ala Asn Leu Asp Leu Ile Tyr Asn
317                 165                 170                 175
319 Asn Thr Val Thr Leu Arg Pro Lys Leu Pro Glu Ser Thr Cys Ala Ala
320             180                 185                 190
322 Asn Ser Met Val Tyr Arg Phe Glu Val Ser Ile Pro Val Arg Pro Ser
323         195                 200                 205
325 Gln Phe Val Leu Tyr Val Arg Trp Gln Arg Ile Asp Pro
326     210                 215                 220
330 <210> SEQ ID NO: 15
331 <211> LENGTH: 220
332 <212> TYPE: PRT
333 <213> ORGANISM: Helicoverpa armigera entomopoxvirus
335 <400> SEQUENCE: 15
336 His Gly Tyr Met Thr Phe Pro Ile Ala Arg Gln Arg Arg Cys Ser Val
337   1               5                  10                  15
339 Arg Gly Gly Gln Trp Trp Pro Pro Asn Gly Asp Gly Ile Thr Asp Thr
340              20                  25                  30
342 Met Cys Arg Ala Ala Tyr Gln Asn Val Tyr Asn Lys Val Leu Asn Gln
343          35                  40                  45
345 Tyr Asn Asp Pro Gln Glu Ala Ala Thr Ala Ala Gln Tyr Met Phe Gln
346      50                  55                  60
348 Gln Asp Asn Glu Tyr Ala Ala Leu Ala Gly Pro Asp Tyr Thr Asn Leu
349  65                  70                  75                  80
351 Cys Asn Leu Gln Gln Asn Val Val Pro Asn Asn Leu Cys Ala Ala Gly
352                  85                  90                  95
354 Ala Asp Asp Trp Asp Val Val Pro Phe Gly Asp Lys Ser Gly Met Asp
355             100                 105                 110
357 Leu Pro Gly Asn Trp Val Pro Thr Val Ile Pro Leu Asp Ser Asn His
358         115                 120                 125
360 Gln Ser Ser Val Ala Leu Glu Leu Glu Phe Cys Pro Thr Ala Val His
```

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/936,216

DATE: 10/30/2002
TIME: 14:00:05

Input Set : A:\EP.txt
Output Set: N:\CRF4\10302002\I936216.raw

Use of n's or Xaa's(NEW RULES):
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:9; N Pos. 15

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/936,216

DATE: 10/30/2002
TIME: 14:00:05

Input Set : A:\EP.txt
Output Set: N:\CRF4\10302002\I936216.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application No
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:0 M:201 W: Mandatory field data missing, <130> FILE REFERENCE
L:31 M:259 W: Allowed number of lines exceeded, <213> ORGANISM:
L:54 M:259 W: Allowed number of lines exceeded, <213> ORGANISM:
L:115 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:9
L:115 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:9
L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0